

## Sun and Moon

### 1-3 The student will demonstrate an understanding of the features of the sky and the patterns of the Sun and the Moon. (Earth Science)

**NOTE TO TEACHER:** It is essential to keep this unit as basic as possible. Do not go beyond the recommendations since a child at this age is not developmentally ready to understand astronomy concepts. They will take the foundational knowledge they learn at this grade and expand on it in 4<sup>th</sup> grade.

#### 1-3.2 Recall that the Sun is a source of heat and light for Earth.

**Taxonomy level:** 1.2-A Remember Factual Knowledge

**Previous/Future knowledge:** This is the first time that students have been introduced to the concept of the Sun as a source of heat and light. This is foundational knowledge that will be further developed in 4<sup>th</sup> grade when students explain how the Sun affects Earth (4-3.3).

**It is essential for students to** know that it is the Sun is a star in the sky that provides energy in the form of heat and light.

- The heat from the Sun provides warmth for Earth.
- Without the Sun, Earth would be too cold to live on.
- The light from the Sun is needed by plants so that they can make their own food.
- The Sun also provides light so we can see things around us.

**It is not essential for students to** measure the effects of the Sun's heat on Earth materials (for example, soil and water). -

#### **Assessment Guidelines:**

The objective of this indicator is to *recall* that the Sun is a source of heat and light for Earth; therefore, the primary focus of assessment should be to remember that the Sun warms Earth and provides light for organisms. -